

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-21 (Cancelled)

22. (Currently Amended) An endovascular fastener applicator system ~~for repairing a damaged portion of a vessel, the system~~ comprising:

~~at least one helical fastener, each helical fastener having a penetrating end and a limiting end;~~

~~a prosthetic; and~~

an endovascular fastener applicator including:

a tubular body configured for positioning within a vessel;

a delivery tube being disposed for movement within the tubular body and configured for advancing ~~each helical fastener within~~ fasteners through the tubular body, the delivery tube including an applicator head adjacent a distal end thereof, the applicator head being configured for deploying ~~each helical fastener~~ the fasteners and having a substantially perpendicular orientation relative to a longitudinal axis defined by the delivery tube;

an expandable portion being operatively connected adjacent the distal end of the tubular body and , the expandable portion including support members that define open interstitial regions, the support members being configured to support ~~the~~ a prosthetic in contact with an inner surface of the vessel;

a drive assembly being disposed for axial and rotational movement within the delivery tube, the drive assembly ~~including a drive rod configured to cooperate with the helical fastener for advancing the helical fastener and facilitating deployment thereof to~~ being configured to advance a fastener through the prosthetic; and

a control assembly operatively connected to the drive assembly for extracorporeal control of the endovascular fastener applicator.

23. (Currently Amended) An endovascular fastener applicator system as recited in claim 22, wherein the applicator head is configured for engaging an interior portion of the prosthetic to facilitate uniform deployment of each ~~helical~~ fastener.

Claim 24 (Cancelled)

25. (Currently Amended) An endovascular fastener applicator system recited in claim 22, wherein the prosthetic includes an interior band having anchor pads circumferentially spaced about and implanted within the band, the pads corresponding to the open interstitial regions of the expandable portion, the drive assembly further including guide wires being configured for guiding advancement of each ~~helical~~ fastener and having anchor legs adjacent a distal end of each of the guide wires, the anchor legs releasably engaging the anchor pads prior to deployment of each ~~helical~~ fastener and being retractable from the prosthetic upon deployment of each ~~helical~~ fastener.

26. (Currently Amended) An endovascular fastener applicator system as recited in claim 22, wherein the applicator head includes an ejection mount being configured for deploying at least one ~~helical~~ fastener and movable relative to an interior circumference of the prosthetic for deploying each ~~helical~~ fastener, the ejection mount including an ejection head having a saw-toothed face for engaging the internal circumference of the prosthetic, the ejection head facilitating uniform deployment of each ~~helical~~ fastener.

27. (Original) An endovascular fastener applicator system as recited in claim 26, further including a ratchet assembly being configured to facilitate movement of the ejection mount.

Claim 28 (Cancelled)

29. (New) An endovascular fastener applicator system as recited in claim 22, further comprising at least one fastener.

30. (New) An endovascular fastener applicator system as recited in claim 29, wherein each fastener is a helical-type fastener.

31. (New) An endovascular fastener applicator for endoluminally fastening a prosthetic to a vessel with a fastener, the applicator comprising:

a tubular body configured and dimensioned for positioning within a vessel, the tubular body defining a longitudinal axis;

an expandable portion disposed adjacent a distal end of the tubular body and being deployable to support a prosthetic in contact with an inner surface of a vessel; and

an applicator head assembly operatively positioned within the expandable portion, the applicator head assembly including an ejection head pivotable between at least a first position in which the ejection head is co-axial with the longitudinal axis of the tubular body and a second position in which the ejection head is perpendicular to the longitudinal axis of the tubular body.

32. (New) The endovascular fastener applicator of claim 31, further comprising a drive assembly for advancing a fastener into the prosthetic.

33. (New) The endovascular fastener applicator of claim 32, further comprising a delivery tube operatively disposed for movement within the tubular body, the delivery tube being configured for advancement of the fastener within the tubular body.

34. (New) The endovascular fastener applicator of claim 32, further comprising an elongate control operatively positioned for movement within the tubular body.

35. (New) The endovascular fastener applicator of claim 34, wherein the expandable portion is operatively connected to a distal end of the tubular body and a distal end of the elongate control, the tubular body and the elongate control being manipulatable to facilitate support of the prosthetic in contact with an inner surface of a vessel.

36. (New) The endovascular fastener applicator of claim 35, wherein the elongate control is coaxially disposed within the tubular body.

37. (New) The endovascular fastener applicator of claim 36, wherein the delivery tube is coaxially disposed within the tubular body.

38. (New) The endovascular fastener applicator of claim 31, wherein the drive assembly is configured for axial and rotational motion.

39. (New) The endovascular fastener applicator of claim 31, wherein the expandable portion includes support members that define open interstitial regions therebetween.

40. (New) The endovascular fastener applicator of claim 31, wherein the drive assembly includes a drive rod having a rectangular cross-section, the drive rod cooperating with an inner diameter of a fastener whereby movement of the drive rod causes advancement of a fastener.

41. (New) The endovascular fastener applicator of claim 32, further including at least one fastener operatively disposed on the drive assembly.

42. (New) The endovascular fastener applicator of claim 41, wherein the fasteners are helical-type fasteners each having an inner diameter.

43. (New) The endovascular fastener applicator of claim 42, wherein the drive assembly includes a drive rod having a non-circular cross-section, the drive rod being operatively engagable with the inner diameter of the fastener, wherein rotational movement of the drive rod causes rotation of the fastener.